

BOOK REVIEW

Concise Encyclopedia of Magnetic and Superconducting Materials, 1992, (ed.) Jan Evetts (Oxford: Pergamon Press), pp. 726, Price £ 140/\$280.

This encyclopedia devoted to magnetic and superconducting materials forms part of the series publication entitled "Advances in Materials Science and Engineering" (Robert W. Cahn, Executive Editor). The encyclopedia is of considerable value to students, teachers and practitioners since almost all aspects of magnetic and superconducting materials have been covered in adequate detail. The presentations are concise and more than adequate for the purpose intended. The technical coverage is sound as expected of contributions from experts in the subject. The encyclopedia covers various classes of materials as well as the theoretical and phenomenological aspects of magnetism and superconductivity. Relevant aspects of techniques and measurements are also presented. Technological aspects and applications have been included. Besides sections devoted to various general classes of materials (e.g. ferrites, superconducting materials), specific classes of materials (e.g. Nickel-alloys, rare earth intermetallics, oxide superconductors) are discussed. There is even a section on doped fullerenes. The encyclopedia can be of much use in day-to-day teaching and research. It would have been a good idea to list all the important magnetic and superconducting materials with the more important characteristics. Such tables would have been handy just as the definitions and description of concepts. The encyclopedia is recommended to all science libraries and to libraries of materials science and physics departments.

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